



Plex 6/5/2018 1:44 PM Dart Dubois Pascal



Dart Aerospace Ltd.  
1270 Aberdeen St  
Hawkesbury, ON  
K6A 1K7  
Canada

Tel (613) 632-5200

**PURCHASE ORDER  
PO040051**

**E-MAILED**  
MAY 30 2018

|                  |  |                                 |   |
|------------------|--|---------------------------------|---|
| <b>Supplier:</b> | MCM001-VU<br>McMaster-Carr Supply Co,<br>P.O. Box 7690<br>Chicago, IL 60680-7690 USA<br>Phone: 330 995 5500<br>Fax: 330 995 9600 | <b>PO No:</b>                   | PO040051  |
|                  |  | <b>PO Date:</b>                 | 5/30/18   |
|                  |  | <b>Due Date:</b>                | 6/1/18  |
|                  |  | <b>Purchase Order Revision:</b> |   |
|                  |  | <b>Revision Date:</b>           |   |
|                  |  | <b>Ship-To Contact:</b>         | Lavoie, Chantal<br>Phone: clavoie@dart Aero.com |
| <b>Ship To:</b>  | 1270 Aberdeen Street<br>Hawkesbury<br>ON<br>K6A 1K7 Canada<br>Phone: 613-632-5200  | <b>Via:</b>                     | Ground  |
|                  |  | <b>Pymt Terms:</b>              | 2% 10 Net 30                                    |
|                  |  | <b>Freight Terms:</b>           |   |
|                  |  | <b>Special Comments:</b>        |   |

| Items   |                      |                  |  |        |          |                |                   |         |                  |                |  |
|---|----------------------|------------------|--|--------|----------|----------------|-------------------|---------|------------------|----------------|--|
| Line Item   | Part                 | Supplier Part No | Description  | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price |  |
| 1   | 8569K23              | 6" x 2 ft        | Teflon PTFE Plastic 0.020" receive ea              | Firmed | 6/1/18   | 5 sf           | 0 sf              | 5 sf    | \$19.08333/sf    | \$95.42        |  |
| <b>Line Item Note</b> 1 PCS OF 6"X10FT                    |                      |                  |  |        |          |                |                   |         |                  |                |  |
| 2   | 84735K117            | 50/pk            | Cap receive ea                                     | Firmed | 6/1/18   | 100 Ea         | 100               | 0 Ea    | \$0.2758/Ea      | \$27.58        |  |
| 3   | 92198A111            | 25/pk            | Bolt receive ea                                    | Firmed | 6/1/18   | 25 Ea          | 25                | 0 Ea    | \$0.2124/Ea      | \$5.31         |  |
| 4   | 8610K12              |                  | Rubber Sheet, 36" x 36" x 1/8" Thick               | Firmed | 6/1/18   | 9 sf           | 0 sf              | 9 sf    | \$22.09/sf       | \$198.81       |  |
| <b>Line Item Note</b> 1 PCS OF 36" X 36"                  |                      |                  |  |        |          |                |                   |         |                  |                |  |
| 5   | RBEL135M-2905-101-39 | 9003K41 1/PK     | Poly-V Groove Belt                                 | Firmed | 6/1/18   | 3 Ea           | 3                 | 0 Ea    | \$10.69/Ea       | \$32.07        |  |
| 6   | D3373-1P             | 1770A525         | Cam Lock   | Firmed | 6/1/18   | 20 pcs         | 20                | 0 pcs   | \$6.87/pcs       | \$137.40       |  |
| <b>Line Item Note</b> item MC MASTER 1770A525 KEYED ALIKE |                      |                  |  |        |          |                |                   |         |                  |                |  |
| 7   | 90592A032            | 25/pk            | Hex Nut  | Firmed | 6/1/18   | 50 Ea          | 50                | 0 Ea    | \$0.268/Ea       | \$13.40        |  |
| 8   | 90685A046            | 50/pk            | Hex Nut M10 X 1.5mm                                | Firmed | 6/1/18   | 50 Ea          | 50                | 0 Ea    | \$0.211/Ea       | \$10.55        |  |
| 9   | 90715A130            | 50/pk            | Locknut  | Firmed | 6/1/18   | 50 Ea          | 50                | 0 Ea    | \$0.1768/Ea      | \$8.84         |  |
| 10  | 91166A250            | 100/pk           | Flat Washer ØM6 receive ea                         | Firmed | 6/1/18   | 100 Ea         | 100               | 0 Ea    | \$0.025/Ea       | \$2.50         |  |
| 11  | 91253A544            | 50/pk            | Countersunk Screw receive pcs                      | Firmed | 6/1/18   | 50 pcs         | 50                | 0 pcs   | \$0.1572/pcs     | \$7.86         |  |
| 12  | 91280A332            | 100/pk           | Hex Head Bolt, Steel, M6 x 1 x 22mm Lg. receive ea | Firmed | 6/1/18   | 100 Ea         | 100               | 0 Ea    | \$0.1109/Ea      | \$11.09        |  |
| 13  | 91420A120            | 100/pk           | Flat Head Phillips Machine Screw                   | Firmed | 6/1/18   | 100 Ea         | 100               | 0 Ea    | \$0.0281/Ea      | \$2.81         |  |

| Items     |             |                  |   |        |          |                |                   |         |                  |                       |
|-----------|-------------|------------------|---|--------|----------|----------------|-------------------|---------|------------------|-----------------------|
| Line Item | Part        | Supplier Part No | Description   | Status | Due Date | Order Quantity | Received Quantity | Balance | Unit Price (USD) | Extended Price        |
| 14        | 92290A330   | 25/pk            | Socket Cap Screw  | Firmed | 6/1/18   | 25 Ea          | 25 Ea             | 0 Ea    | \$0.4864/Ea      | \$12.16               |
| 15        | 93325A340   | 5/pk             | Threaded Rod  | Firmed | 6/1/18   | 30 Ea          | 28 Ea             | 2 Ea    | \$1.83/Ea        | \$54.90               |
| 16        | 93615A432   | 10/pk            | Socket Head Cap Screw   | Firmed | 6/1/18   | 20 Ea          | 20 Ea             | 0 Ea    | \$0.663/Ea       | \$13.26               |
| 17        | 98381A503   | 50/pk            | Dowel Pin   | Firmed | 6/1/18   | 50 Ea          | 50 Ea             | 0 Ea    | \$0.1528/Ea      | \$7.64                |
| 18        | M4130NS.188 | 4459T29          | 4130 Sheet .188<br>: MATERIAL: AISI<br>4130N STEEL SHEET<br>AS PER OR AS PER<br>AMS 6345 MIL-S-<br>18729 OR AMS 6350<br>OR AMS 6351<br>receive sf | Firmed | 6/1/18   | 9 sf           | 9 sf              | 0 sf    | \$22.02777/sf    | \$198.25              |
|           |             |                  |   |        |          |                |                   |         |                  | Grand Total: \$839.85 |

## Order Notes

## Procurement Quality Clauses

A005 RIGHT OF ENTRY

A016 PERSONNEL QUALIFICATION

A026 CERTIFICATION OF MATERIAL CONFORMANCE

A032 DOCUMENT SPECIAL REQUIREMENTS

A033 STATEMENT OF CONFORMITY/TEST RECORDS FOR NAS, AN and MS FASTENERS

A040 NOTIFICATION OF QUALITY ESCAPE

A041 QUALITY MANAGEMENT SYSTEM

A042 DART NOTIFICATION BY SUPPLIER

A043 RETENTION OF QUALITY DOCUMENTS

A048 COUNTERFEIT PARTS AVOIDANCE, DETECTION, MITIGATION AND DISPOSITION PROGRAM

A049 SUPPLIER AWARENESS

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit [www.dartaerospace.com](http://www.dartaerospace.com) for further explanation.

Plex 5/30/18 1:50 PM dart.lavoie.chantal

200 Aurora Industrial Pkwy  
Aurora OH 44202-8087  
330-995-5500  
cle.sales@mcmaster.com

Dart Aerospace Ltd  
1270 Aberdeen St  
Hawkesbury ON K6A 1K7  
Canada

## Packing List

Purchase Order  
PO040051 *pl*

Page 1 of 1

05/31/2018

Order Placed By  
Chantal Lavoie

McMaster-Carr Number  
4278566-02

Ordered Shipped

Line Product

17 4459T29 Easy-to-Weld 4130 Alloy Steel with Certification, 36" x 36" x 0.1900"

1 1  
Each

Shipped separately from our Chicago warehouse on 05/31

14 93325A340 Grade B7 Medium Strength Steel Threaded Rod, M14 x 2 mm Thread Size, 300 mm Long 30 10  
Each

## MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M413015-188  
 DATE: JUN 05 2018

PO / BATCH NO.: 040051/5078150

MATERIAL CERT REC'D: YES  
 QUANTITY RECEIVED: 9 Pcs  
 QUANTITY INSPECTED: 9 Pcs  
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .188  
 THICKNESS RECEIVED: .188  
 SHEET SIZE ORDERED: 3X3  
 SHEET SIZE RECEIVED: 3X3

| DESCRIPTION  | NCR<br>(Check<br>Y/N)                                      | COMMENTS                          |
|--|--|-----------------------------------|
| SURFACE DAMAGE                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORRECT FINISH                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORROSION  | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORRECT GRAIN DIRECTION                            | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORRECT MATERIAL PER M-DRAWING                     | <input checked="" type="radio"/> Y <input type="radio"/> N | <u>Am56350</u>                    |
| CORRECT THICKNESS                                  | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| PHOTO REQUIRED                                     | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORRECT REF # TO LINK CERT                         | <input checked="" type="radio"/> Y <input type="radio"/> N | <u>Part 040051 Part # 4459129</u> |
| CORRECT MATERIAL IDENTIFICATION                    | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| CORRECT M# ON THE MATERIAL                         | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| DOES THIS MATERIAL REQUIRE<br>ENGINEERING SIGN OFF | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |
| DOES THIS REQUIRE AN<br>EXTRUSION REPORT           | <input checked="" type="radio"/> Y <input type="radio"/> N |                                   |

| CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK.<br>RECORD RESULTS BELOW |     |     |       |       |         |
|--|-----|-----|-------|-------|---------|
| TYPE OF MATERIAL<br>SIZE OF TEST SAMPLE<br>HARDNESS / DUROMETER READING            | HRC | HRB | DUR A | DUR D | WEBSTER |
|  |     |     |       |       |         |
|  |     |     |       |       |         |
|  |     |     |       |       |         |

testers located in the Quality Office

| QC 18 INSPECTION   | ENGINEERING SIGNOFF (if required)   |
|--|-------------------------------------|
| INSPECTED BY: <u>DAS</u><br><u>11 JUN 05 2018</u><br>DATE: <u>9-89</u> | SIGNED OFF BY: _____<br>DATE: _____ |

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



|                          |                                  |  |                      |                            |
|--------------------------|----------------------------------|--|----------------------|----------------------------|
| DESIGN<br><b>BRADLEY</b> | DRAWN BY<br><b>BRADLEY</b>       | <b>DART AEROSPACE LTD</b><br>HAWKESBURY, ONTARIO, CANADA |                      |                            |
| CHECKED<br><b>91</b>     | APPROVED<br><b>91</b>            | DRAWING NO.<br><b>M4130N-S</b>                           | REV.<br><b>A</b>     | SHEET <b>1</b> OF <b>1</b> |
| DATE<br><b>01.05.17</b>  | TITLE<br><b>4130 SHEET SPEC.</b> |  | SCALE<br><b>1/4"</b> |                            |

PURCHASE - AISI 4130 N STEEL SHEET

PER ONE THE FOLLOWING  
SPEC'S: MIL-S-18729, AMSG6350  
OR AMSG6351

RELEASED  
01.05.18 

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METALLURGICAL TESTING LABORATORY  
 15 ROEMER BLVD.  
 FARRELL, PA 16121  
 CONTACT: DALE SIDDONS  
 TELEPHONE: (724) 983-6464 X1298  
 FAX: (724) 982-4423

**CERTIFIED MILL**  
**TEST REPORT**

|                 |                   |                  |  |           |         |
|-----------------|-------------------|------------------|--|-----------|---------|
| Customer:       | WILCO (DBA)       | ORDER #          | 414616-01                                | CUST. PO# | 13052-1 |
| Address:        | 3502 W. HARRY     | SIZE             | .190 X 36.000                            |           |         |
|                 | WICHITA, KS 67213 | WT. SHIPPED      | 35540                                    |           |         |
| Phone:          | 316-943-9379      | HEAT #           | NLPU4059                                 |           |         |
| Fax:            | 316-943-9664      | GRADE/TYPE       | 4130AQ (Spherodized Annealed) CR         |           |         |
| Representative: | Dean Schroer      | Testing Required | AMS6350N/6351K, ASTM505/506/EN 10204 3.1 |           |         |
|                 |                   |                  | AMS2252D/2301K / (MIL-S-18729)           |           |         |

| As Processed Results |          |       |       | ASTM TEST METHOD |              |          | E8            |                   |   | E18              | E290            | E45         | E112 | E1077 |
|----------------------|----------|-------|-------|------------------|--------------|----------|---------------|-------------------|---|------------------|-----------------|-------------|------|-------|
| Coil #               | Heat #   | Gauge | Area  | Yield PSI        | Ultimate PSI | Elong 2% | Hardness HRBW | Bend Test 1/2T-HW |   | E-45 Rating 100X | Grain Size 100X | Decarb 100X |      |       |
| 7972867              | NLPU4059 | .190  | .0930 | 56840            | 78990        | 29       | 84            | PASS              | 0 | 8                | 8               | 0           |      |       |

| Heat Treated Results* |          |       |              |
|-----------------------|----------|-------|--------------|
| ASTM TEST METHOD      |          |       | E18          |
| Coil #                | Heat #   | Gauge | Hardness HRC |
| 7972867               | NLPU4059 | .190  | 33           |

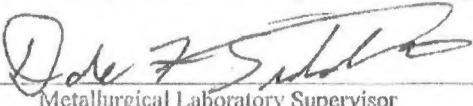
\*Denotes outsourced to independent laboratory (A2LA Accredited)

| Hardness Test Per ASTM E-18 |         |
|-----------------------------|---------|
|                             | Average |
| Surface (HRA)               | 74.5    |
| Core (HRA)                  | 76.0    |

Requirement: The difference in hardness between the surface and core shall not be greater than 2.0

CONFORMANCE: The sample submitted has passed all testing requirements.

By:

  
 Dale F. Siddons

Metalurgical Laboratory Supervisor

Date:

10-3-17

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